

AMENDMENTS TO THE CLAIMS

Please replace all previous versions of the claims with the following listing:

1. (Previously Presented) A water purification device comprising:
 - a fluid pump;
 - a diaphragm unit having a diaphragm, which separates a primary side from a secondary side; and
 - a consumer having a pressure requirement;
 - wherein the fluid pump is connected with the primary side and the consumer is connected with the secondary side, and the fluid pump supplies the pressure for the consumer through the diaphragm;
 - wherein the primary side is connected with a pressure control device, which controls the pressure on the primary side in dependence on the pressure on the secondary side;
 - wherein the pressure control device includes a control valve, which is connected to the diaphragm unit;
 - wherein the control valve has a valve element, the valve element being acted upon by the pressure on the primary side in either an opening or a closing direction, and by the pressure on the secondary side in the other of the opening or the closing direction; and
 - wherein a signal line extends between the valve element and the primary side, the pressure on the primary side being communicated to the valve element through the signal line.
 2. (Previously Presented) The device according to claim 1, wherein the water purification device further includes a control device, which controls a pressure drop across the diaphragm.
 3. (Previously Presented) The device according to claim 1, wherein the consumer has a pressure inlet, which is connected to the secondary side.

4. (Previously Presented) The device according to claim 1, wherein the control valve is arranged in a connection line downstream of the fluid pump and upstream of the diaphragm unit.
5. (Previously Presented) The device according to claim 1, wherein the valve element is acted upon in the opening direction by the pressure on the secondary side and in the closing direction by the pressure on the primary side.
6. (Previously Presented) The device according to claim 1, wherein the primary side has a fluid outlet arrangement, in which is arranged an adjustable throttle.
7. (Previously Presented) The device according to claim 6, wherein a shiftable valve is arranged in parallel with the throttle.
8. (Previously Presented) The water purification device of claim 1, wherein the pressure control device controls the pressure on the primary side so that the pressure on the secondary side is in a range from 35 to 180 bar.
9. (Withdrawn) A water purification device comprising:
 - a fluid pump;
 - a diaphragm unit having a diaphragm, which separates a primary side from a secondary side; and
 - a consumer having a pressure requirement;

wherein the fluid pump is connected with the primary side and the consumer is connected with the secondary side, and the fluid pump supplies the pressure for the consumer through the diaphragm; and

wherein a pressure control device controls the operating pressure on the primary side in dependence of the quality of the water to be purified.

10. (Withdrawn) The device according to claim 9, wherein the pressure control device sets a pressure difference across the diaphragm with drinking water in the range from 3 to 7 bar, with impurified water in the range from 7 to 30 bar and with saltwater in the range from 30 to 80 bar.

11. (Previously Presented) The device according to claim 1, wherein the consumer has a valve, which opens at a predetermined minimum pressure.

12. (Withdrawn) The device according to claim 9, wherein the water purification device includes a sensor for detecting the quality of the water to be purified.

13. (Previously Presented) The device according to claim 2, wherein the control device sets the pressure drop across the diaphragm to at least one predetermined value.

14. (Previously Presented) The device according to claim 2, wherein the control device controls the pressure drop across the diaphragm by acting on a valve spring of the control valve.

15. (Withdrawn) The device according to claim 9, wherein, when the pressure control device is configured to set a pressure difference across the diaphragm within a plurality of predetermined ranges, each of the plurality of predetermined ranges being associated with a different quality of the water to be purified.

16. (Previously Presented) A water purification device comprising:
 - a fluid pump;
 - a diaphragm unit having a diaphragm, which separates a primary side from a secondary side; and
 - a consumer having a pressure requirement;
 - wherein the fluid pump is connected with the primary side and the consumer is connected with the secondary side, and the fluid pump supplies the pressure for the consumer through the diaphragm;
 - wherein the primary side is connected with a pressure control device, which controls the pressure on the primary side in dependence on the pressure on the secondary side;
 - wherein the pressure control device includes a control valve arranged in a connection line between an outlet of the fluid pump and the primary side of the diaphragm unit; and
 - wherein the control valve has a valve element, the valve element being acted upon by the pressure on the primary side in either an opening or a closing direction, and by the pressure on the secondary side in the other of the opening or the closing direction.
17. (Currently Amended) The water purification device according to claim [[15]]16, wherein the valve element is acted upon in the closing direction by the pressure on the primary side and in the opening direction by the pressure on the secondary side.